

## INTERNATIONAL SEARCH REPORT

PCT/IB 03/03376

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 D06F75/22 D06M15/227 D06M15/693 D06M15/643 D06M15/568  
 D06M15/572 D06M15/263 D06M23/02 D06M23/06 D06M23/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D06F D06M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| A          | US 5 532 023 A (VOGEL ALICE M ET AL)<br>2 July 1996 (1996-07-02)<br>cited in the application<br>the whole document              | 1-9                   |
| A          | WO 02 44461 A (PROCTER & GAMBLE)<br>6 June 2002 (2002-06-06)<br>page 37, lines 8-21   | 1-8                   |
| A          | WO 01 31113 A (HUBESCH BRUNO ALBERT JEAN ;<br>ALTMANN MARKUS W (BE); SOYEZ HEIDI<br>SIMONNE) 3 May 2001 (2001-05-03)<br>page 47 | 1-9                   |
| A          | US 6 207 782 B1 (CZECH ANNA ET AL)<br>27 March 2001 (2001-03-27)<br>the whole document  | 1-8                   |

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

29 October 2003

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06/11/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                  | Relevant to claim No. |
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| A          | EP 1 138 819 A (KAO CORP)<br>4 October 2001 (2001-10-04)<br>the whole document<br>-----             | 1-8                   |
| A          | WO 02 04133 A (HERCULES INC)<br>17 January 2002 (2002-01-17)<br>the whole document<br>-----         | 1-7                   |

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| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s)   | Publication<br>date  |
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| US 5532023                                | A  | 02-07-1996          | NONE   |  |
| WO 0244461                                | A  | 06-06-2002          | EP 1201814 A1<br>AU 4159202 A<br>CA 2422732 A1<br>WO 0244461 A1<br>US 2002130295 A1                                | 02-05-2002<br>11-06-2002<br>06-06-2002<br>06-06-2002<br>19-09-2002                             |
| WO 0131113                                | A  | 03-05-2001          | EP 1096056 A1<br>AU 1242501 A<br>BR 0015097 A<br>CN 1384895 T<br>EP 1224354 A1<br>JP 2003513177 T<br>WO 0131113 A1 | 02-05-2001<br>08-05-2001<br>16-07-2002<br>11-12-2002<br>24-07-2002<br>08-04-2003<br>03-05-2001 |
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